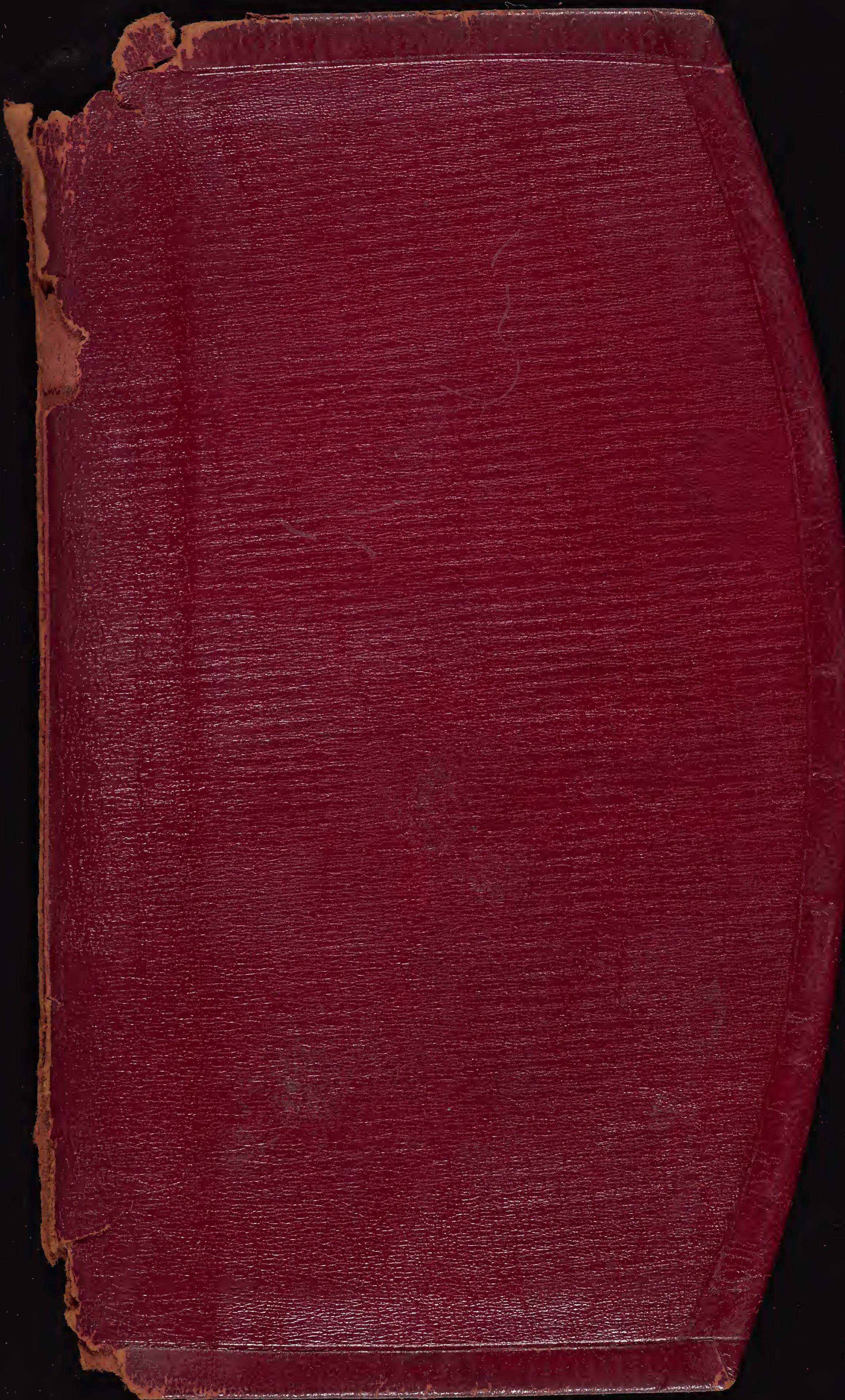
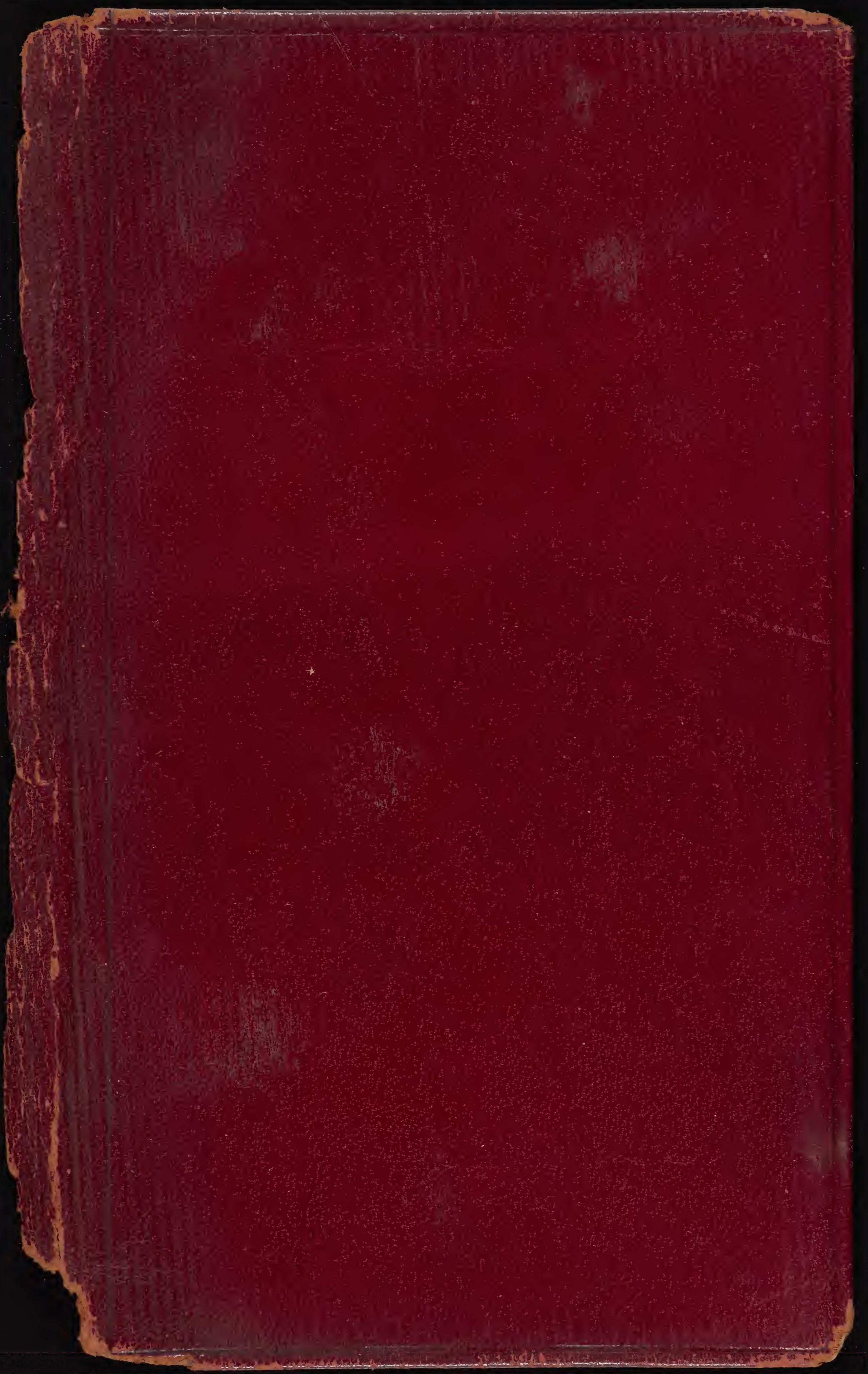


1904

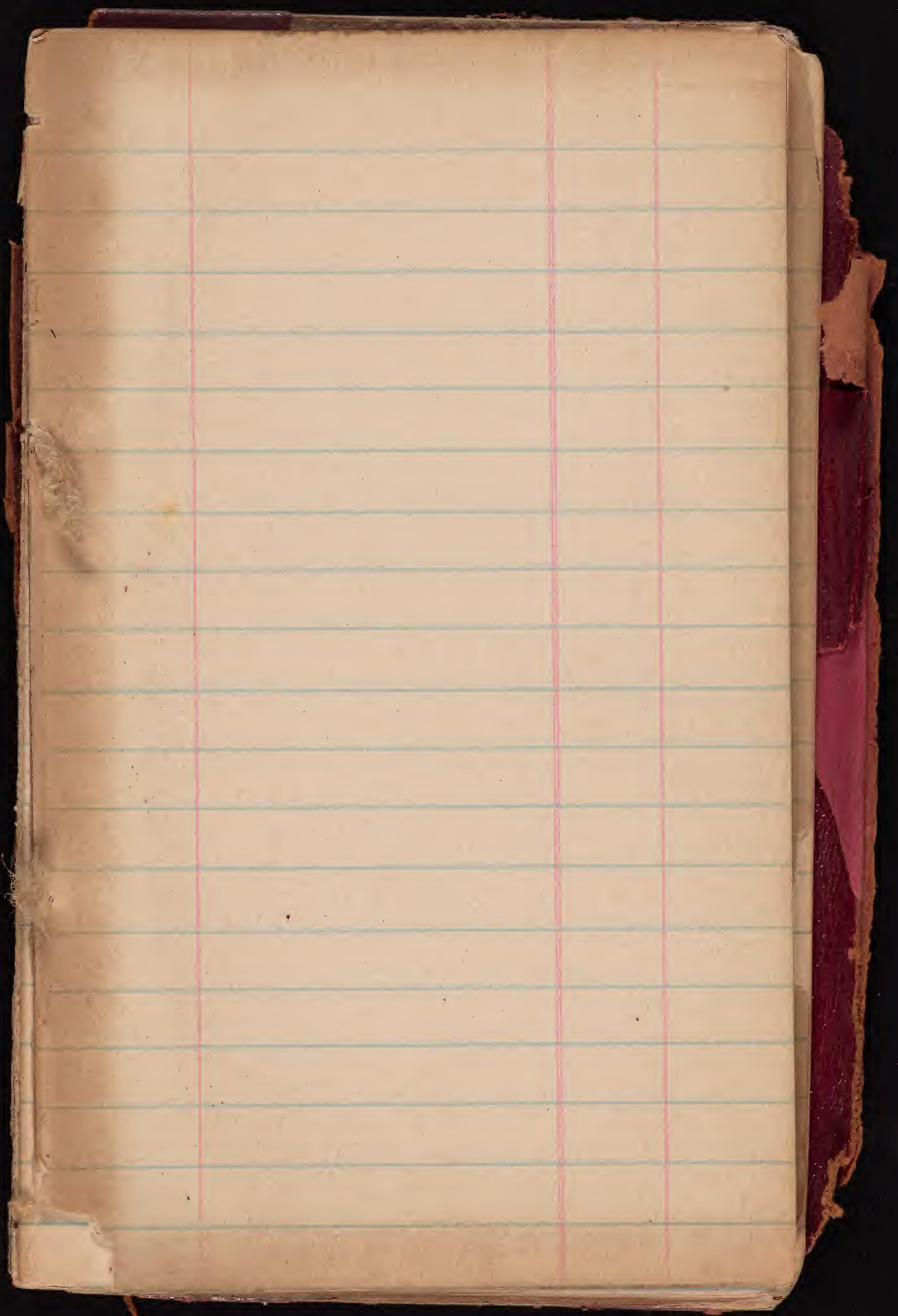
New Harmony  
Ind.

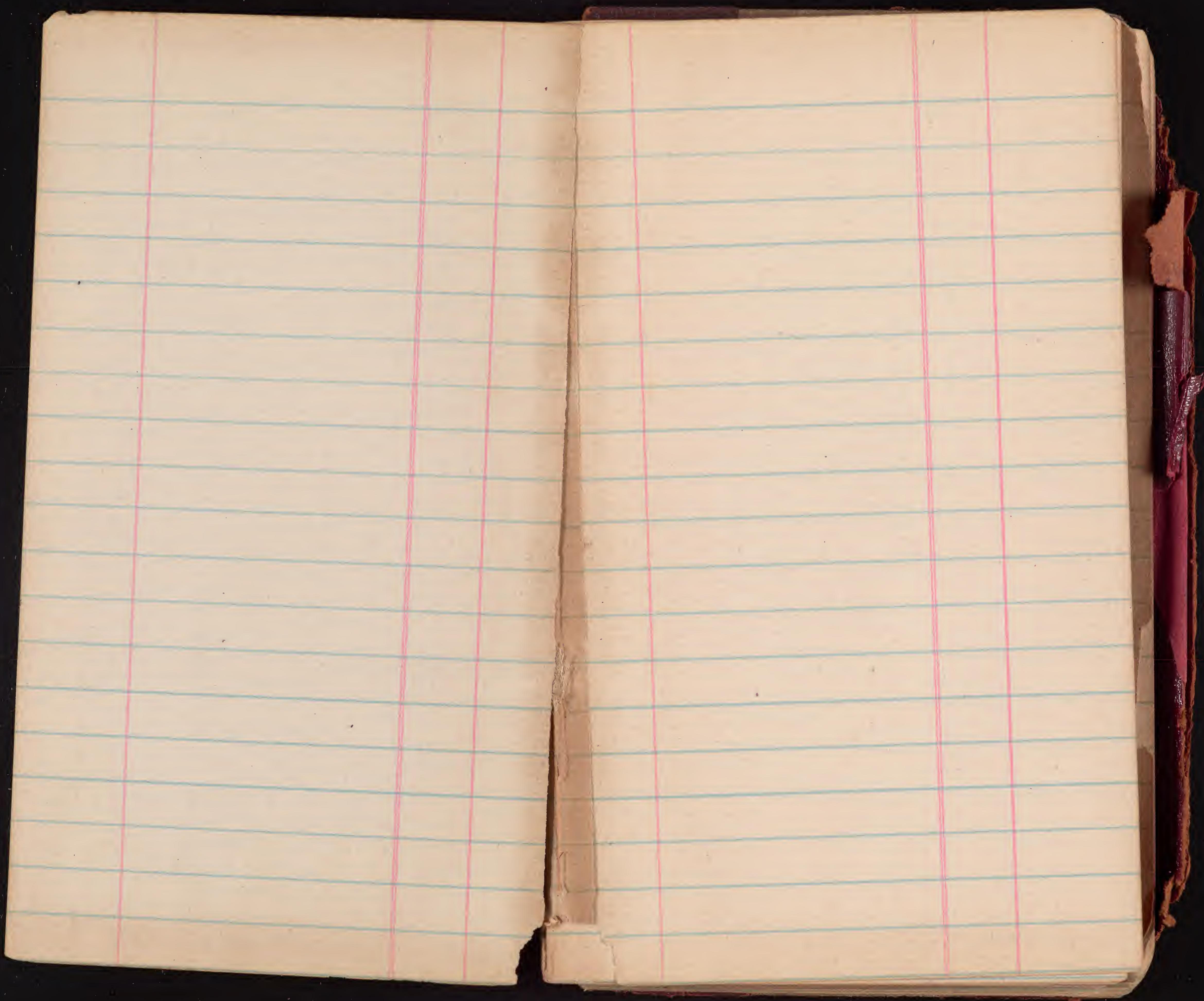
RECORD





366 Summit Ave.





St. Louis to New Haven

Nov. 26-1904.

Reached Brown at 3 AM,  
+ less for St. Paul  
at 6<sup>20</sup> AM.

The country between

Brown and a point  
near Grayville is  
flat prairie, but  
at Grayville it  
becomes rough.

All along the road  
there are hills, -  
low & rolling, and in  
at least two places  
with rock-cores.

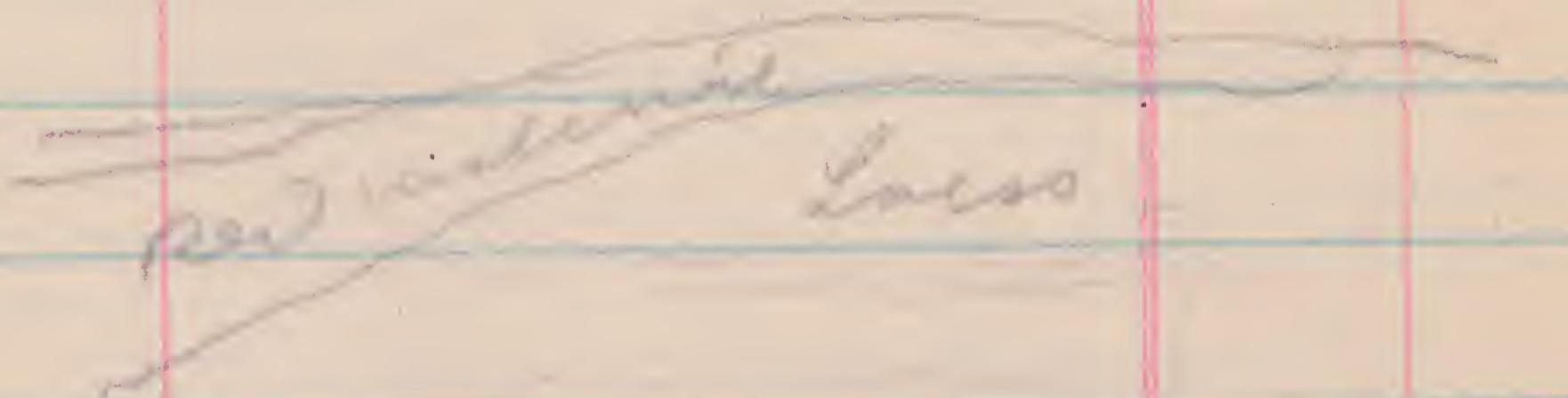
The surface deposit  
is a yellow loess, -  
looks pretty light in  
places, but I could not

see well. There are  
no deep cuts.

Grayville shows cuts  
in the streets.

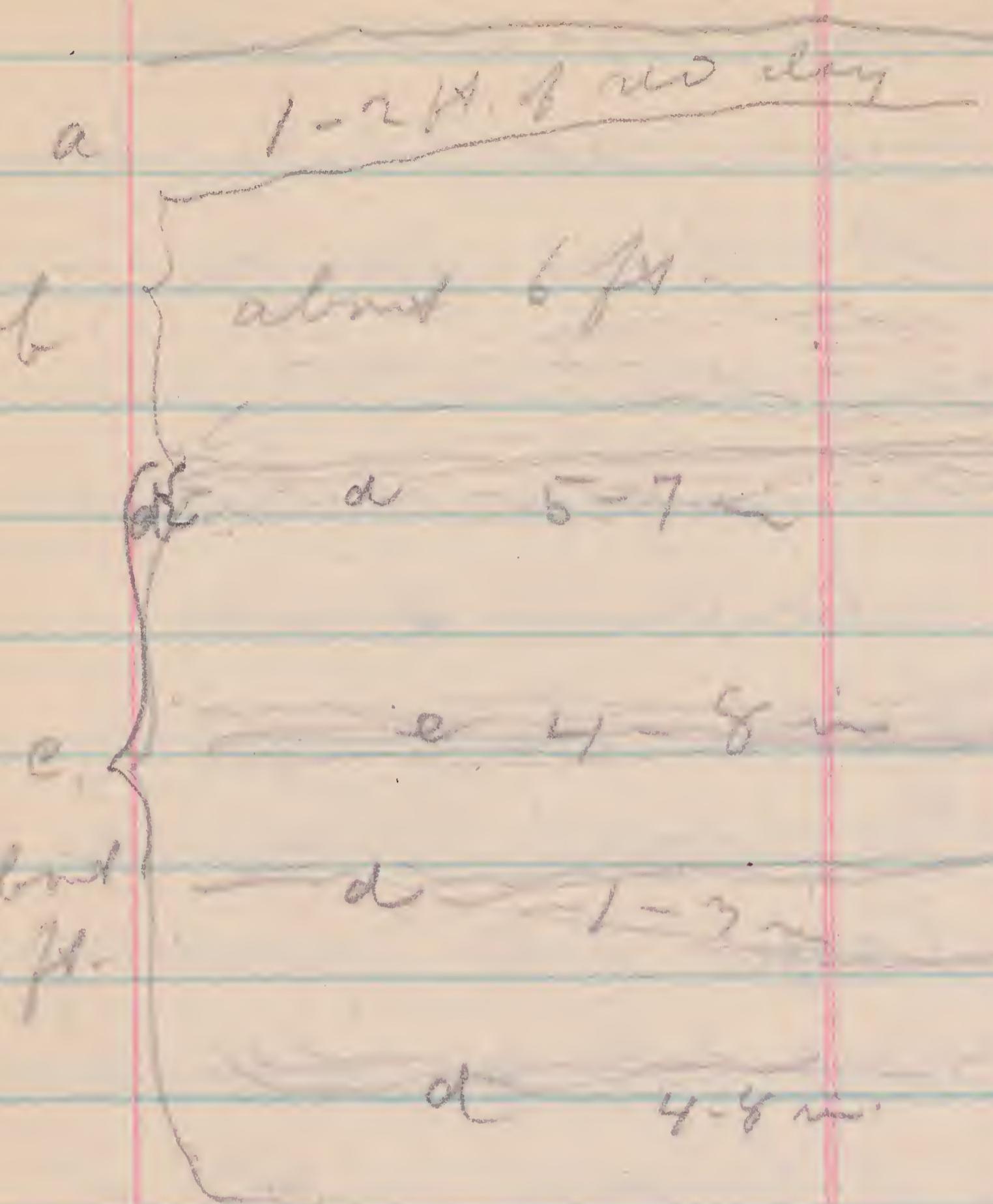
Nov. 26-1907

New Harmony, Ind.  
Opposite about 25 rods  
east of Mt. Vernon now  
& just S. of city limits  
on land of  
Geo. K. Lichtenberger



see photo.

Opposite view



b is fine yellowish below its lower part  
shading up brown reddish (iron) band  
af reddish band (brownish  
dark) irregular, with  
lime nodules (some with  
shells).

Some of the fossils (all  
are in low pink sandy  
beds) are also in red  
& limy bands.

Examples of locusts,  
mudcrabs - & some

The lower pink layer has  
the vertical tubes - iron -  
cone-like down top.  
few roots in upper part  
of layers in center of  
iron tube.

The lower pale blue layer  
is distinctly laminated  
when broken. The  
upper yellowish layer  
only slightly toward base.

The lower has lots of  
shells - upper only a  
few, & they run out in other  
bands.

The upper yellowish layer  
is redder below &  
changes out in lower  
beds.

The line between them  
is not sharp here.

The shells in lower  
part especially are  
very fragile.

The hill rises west high.  
The red clay runs over  
it & in places  
the hills are  
calved with very  
fine sand.

A little drift  
shows at base of  
slope west of  
expanses.

Nov. 27 - 04

N main st

(85m)

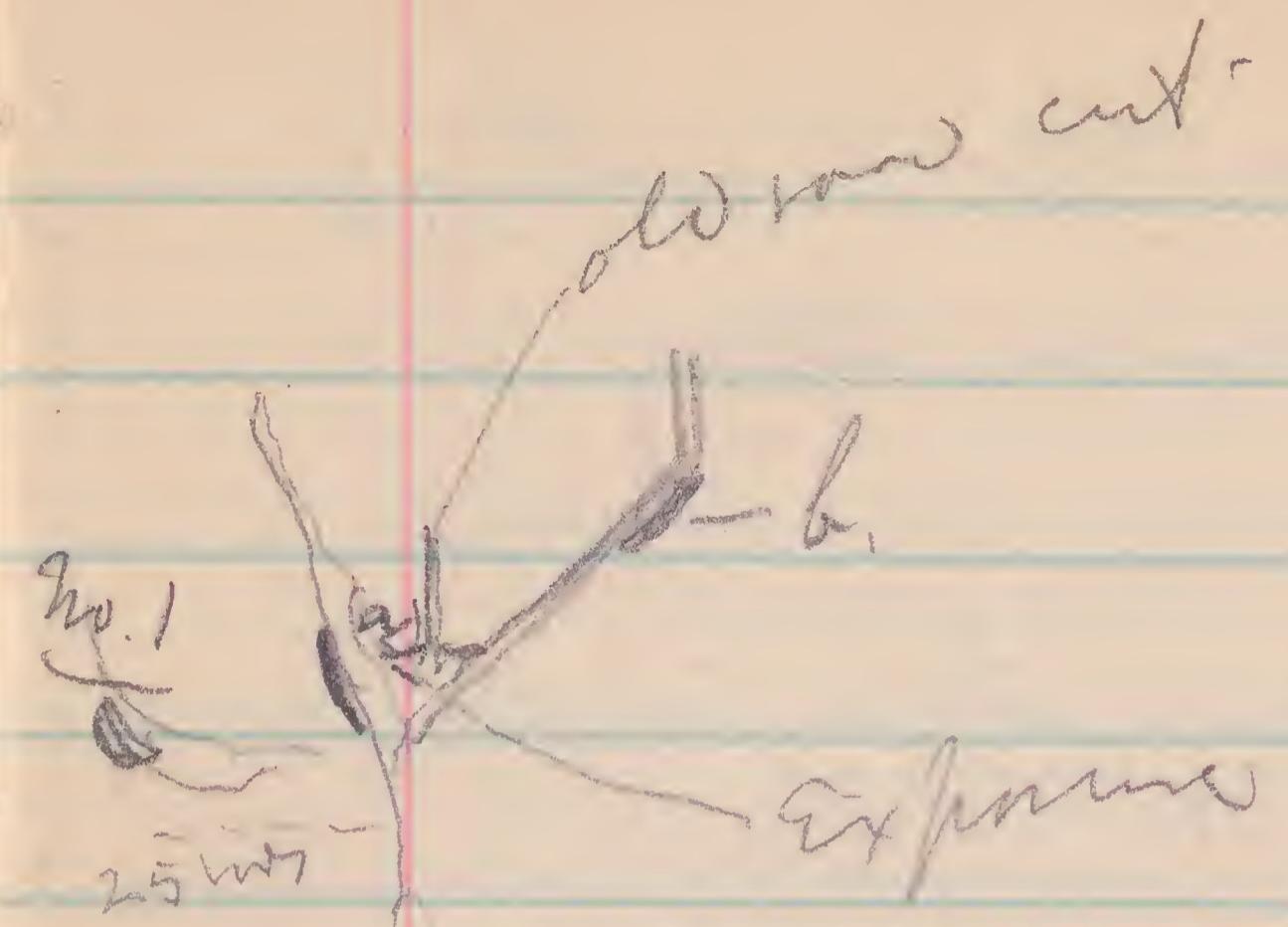
W. Granary st.

S.

V  
N

Thomas Say  
The Naturalist  
Born in Philadelphia  
July 27-1767  
died at New Harmony  
October 10, 1834

Arthur Dransfield <sup>publ</sup>  
Librarian (Dr. Wm. H. Library)  
New Harmony, Ind.



at (at was a lot of  
Pleurocymum rocks from  
river. A can partly  
filled with them, at  
top showed origin.

expone (a) is sandey  
limes (laminated?)  
with iron - It is  
yellowish tuff like  
upper layer in no. 1.  
see shells. + sample.

This is upper down - about  
7 to 8 ft. deep. Below is exposed  
the fine layer again - see shells

there is about 3 ft. of  
red clay on top

Red clay 3 1/2  
6 or 7 ft. low  
Blue loam

First exposure to right  
45 m<sup>w</sup> south of (a) is (b)

1. dark soil 1-1 1/2 ft.
2. dark red 1 ft.
3. yellow loam pan  
15-18 cm

4. { yellow  
5. { blue loam  
    iron tubes, a few points  
    a few nodules  
5. { a darker tan very rough

No. 4 & 5. keeps moisture  
& on the older part of  
bank is covered with  
moss etc. 1, 2 & 3 are  
bare.

2 & 3 shade together  
line talus 3 1/4 m  
fairly sharp

The lowest layer - dark  
(iron gray & brown) looks  
just like stuff on top of  
soil -

Just a little way (2 rods) up  
the slope on left side  
gradual down at base  
It has much iron &  
looks like rather fine  
Buchanan.

The cut extends across the  
creek & is upper slopes than

are several feet of  
the upper layer - & the  
red layer shown above  
it.

Look further to show  
more on layers

Barrel red layer.

Open  
now covering

The red clay is 3-4 ft deep  
then 2-3 ft of yellow  
stuff (sub) which  
is hard pan above &  
shades below into  
coarser stuff & fine  
loess.

at (c) only upper yellow  
layer - 6 ft deep shows  
above it 2-3 ft of  
red clay & then 1-1/2  
ft. wil. on shells.  
A few nodules -  
downward more  
numerous & more like  
flint clay

(d) is about 1/50 or 60 ft  
above (b)

(d) is 100 ft above (a)  
& shows yellow loess with

d. few shells, 3-5 ft. deep.  
& red clay at top is

c. thicker 3-4 ft.  
See photo of N. side

a. b. looking N.

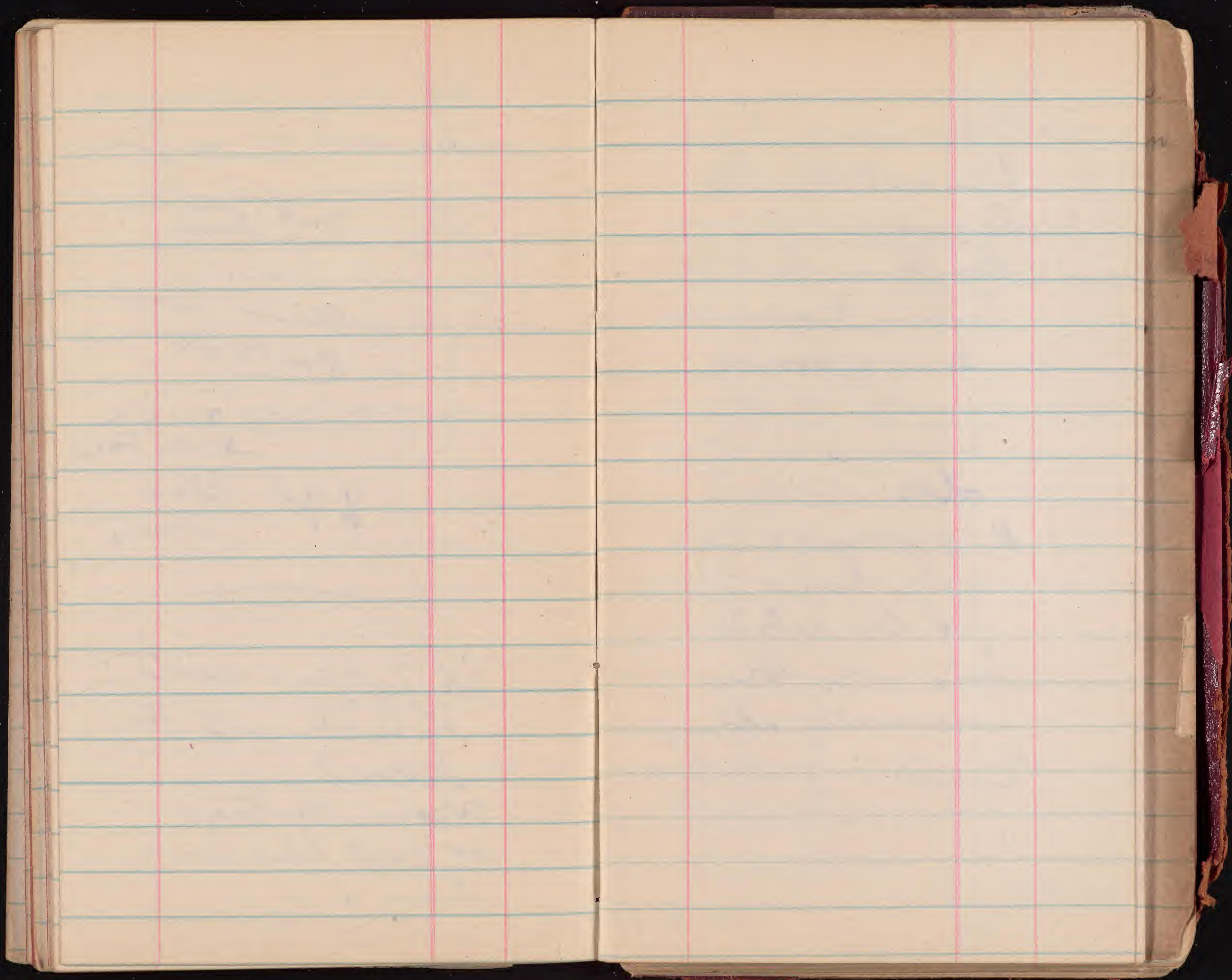
See sample of yellow  
loess.

The Pennsylvania road  
leads up from river  
W. way & cuts in  
3-6 feet. It  
is yellow loess, but  
at very top under  
a foot or two of  
yellow loess is fine  
reddish sand.  
The red clay caps  
all a foot or so  
(see fossils)

Opp D.D. Owen's place  
The cut is as follows

not clear  
yellow loess  
8 or 10 ft  
3 or 4 m  
iron bar  
6 ft blue  
loess

At follow contour  
of hill up the  
road -  
across the town  
no real blue loess  
shows & it is  
evidently thinner?



Exposures along  
Ill. Cent. from  
Stewartville to  
Pearl

Griffin low hills  
becoming broad bottom

Some exposures,  
Grayville W. of Walkach.  
Exposures in street  
here hilly

W. of Grayville the  
country becomes flatter  
but low cuts thru  
light yellow loess  
occasionally appear.

Browns - just W. or  
NW. are low mts  
(the country is a  
little rougher) &  
they appear to show

a more compact layer  
below & yellow on  
top (either 3 or 4 ft.)

This is as it appears  
from the train.

Bone Gap - small  
low cuts - Country  
gently rolling.

West Salem - low  
cut just before getting  
to station. Also low  
cuts in street,  
looks grayish (light)  
& shows a distinct  
shore  
and fine

Just beyond West Salem  
several cuts show

yellow loess 2-4 ft P  
& red gravel  
beneath no  
red topsoil layer.

Olney - Beyond  
sw cut with red  
drift at base &  
2 or 3 ft. of loess  
on top.

Beyond Newton more  
red drift in cut  
but next long low cut  
shows whitish loess.  
To Zalmouth flat  
country with considerable  
oak timber.

To Roset Hill same  
to Hidalgo - same.  
Just beyond the

country is rougher,  
12 cut shows drift  
2 or 11 " " " with  
a little loess.

Several more show  
yellow (light) drift,  
usually reddish  
near top, & no loess.  
Others show a little  
loess.

Country now becomes  
flat, with oak groves.

Near Greenup again  
rough & cuts  
show drift -

Some loess in place  
as Greenup - just W. of  
depot, a high cut  
shows drift - yellow  
with upper 4 or 5 ft. redder,  
no loess.

Near Toledo there  
are angular bits  
& light loess  
seen to appear  
in small cuts.

From Matton to  
pretty near Dexter  
it is flat prairie  
prairie

At Dexter (just before  
getting in) several  
large exposures  
show light <sup>clayey</sup> drift  
below drift 356

If you drift  
(shale together &)  
& on this a little  
soil - 1 - 2 ft

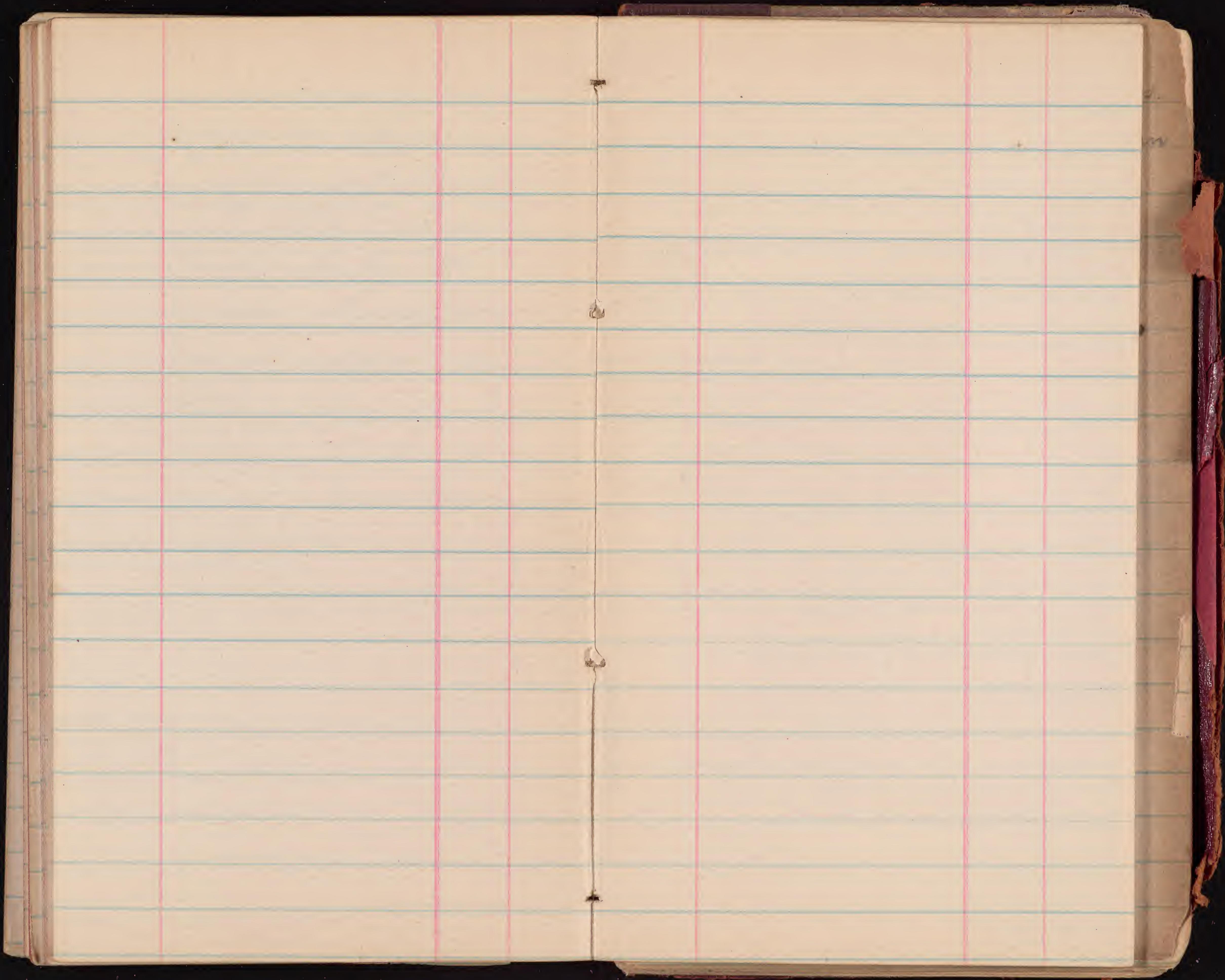
Mouthy shale gravel  
drift rough along

river. Looks like  
moraine knobs.

Again flat until  
a little beyond  
Gatheron, where it  
becomes a little  
rolling - thin,  
not loamy, & again  
flat prairie  
Mt. Pulaski is in  
slightly angular  
grouping on a  
swell <sup>or knoll</sup> in the prairie  
there seem to be two  
knobs or Kame?

Bog prairie to  
a little beyond  
Green Valley  
where odd

exposure appears  
as if capped with  
a little coarse &  
dark shaly or  
wavy limestone  
These appear on  
both sides of  
river, but I  
guess 2 miles  
apart.  
( Mackinaw river )



Dr. Seabury - 3333 Lucas  
— — — 4240 Morgan

D. Lewis,  
Possible exchanges  
Instituto Agricola  
Paracos, Venezuela.  
Given by Dr. Eugenio M.  
Ambar, Gen. Com.  
to Venezuela.

Mr. Edmund P. Sheldon  
332 203 Vine st. Portland, O.  
World exchange plants  
Greey furnish sections:  
Sugartree 800 Pine mtn 840  
W. Hill 1181 Song Tree 84  
The Brazilian Museum  
Rio Janeiro, Brazil  
will ex. bot. spec.  
Ref. by Com.

Apiculture Chemical Co.

Wilmington, N. Car.  
Wood turp., etc. mfgd. in  
agriculture Hall.

Mr. H. H. Kopman  
394 Broadway New Orleans, La.  
Botanist & comp. for  
Times-Democrat.  
says Prof Morgan of Baton  
Rouge, La., is in charge  
of station at Cameron, La.  
(by boat from Lake St.  
Charles) The flora fine,  
like Dix. & Fla. combined.  
Others whom he suggests  
Prof. R. S. Corke,  
728 State st. New Orleans  
Andrew Allison  
Glosten, Miss.  
Crescent City Moon Ginney  
Sol. Stern  
Saddler 332 Decatur st.  
ca, coln, New Orleans

S.P. Shatto Co.  
Rosin Oils & Co  
Savannah, Ga  
Forestry Pledge, - fine

List of desiderata  
Pictures on Red. Forestry -  
About 26 slides showing  
forestation

Bald Cypress Knees - Ms.  
Engel's pine seedlings on  
protected ground, S. Car.

{ Young mixed forest, Wif  
(Same - thinner)

Good reproduction of  
Red Pine

6 pictures showing noble  
mugger industry

Mr. Jefferson surveyed by  
unbroken forest. - Ore.  
Wasteful logging So Cal.  
Good logging "

Ground denuded by sheep - Ariz.  
Remains of Coast Redwood  
Forest, L. Lawton,

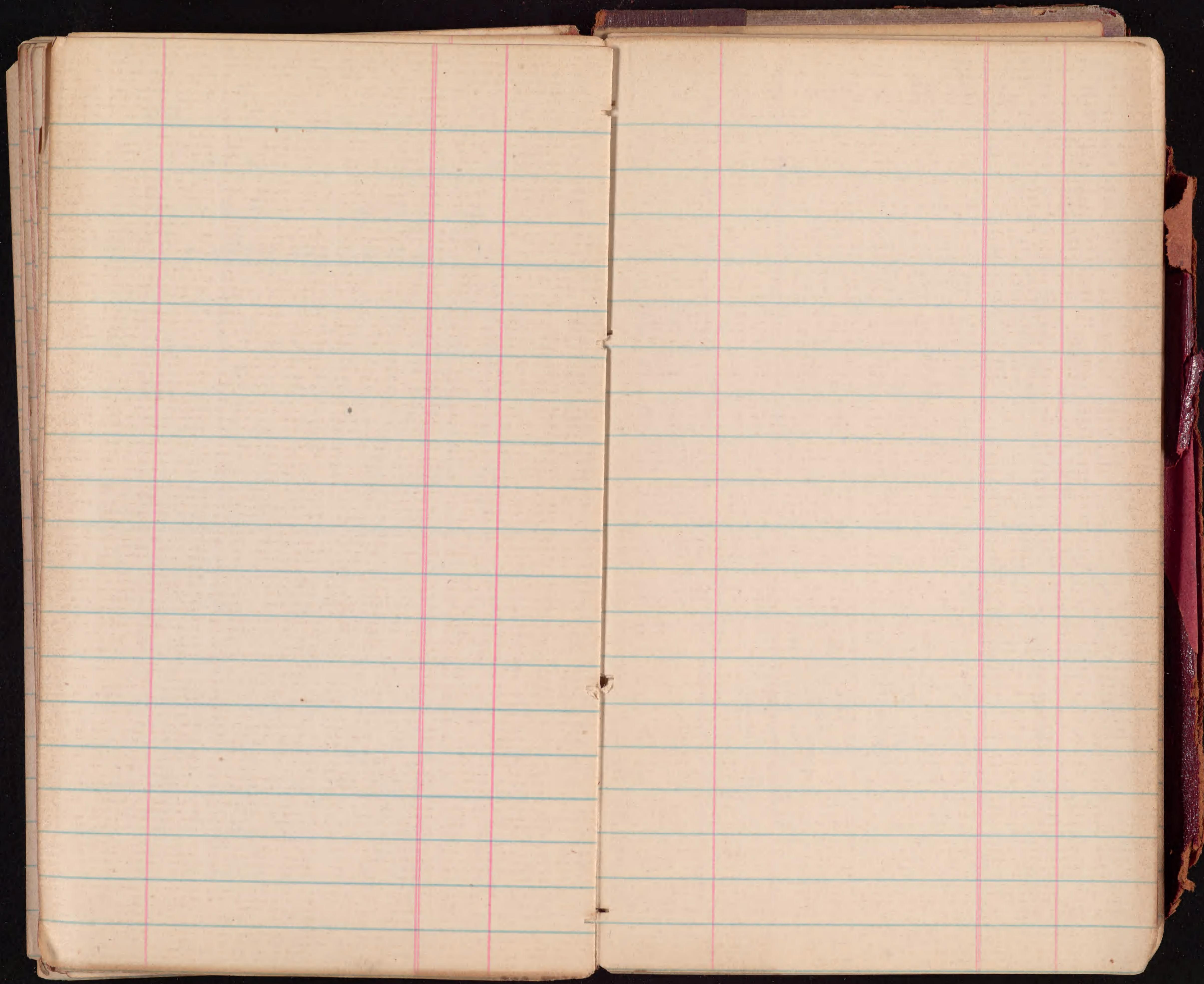
Pastures, Calif.  
A lumberman burning  
young trees, all killed  
Calif.

Diversity Wed.

Mr. Wm. Guignet

Rep. French Congo State

Had fine display of  
rubber trees.



Mississippi

See Prof. Nutting that  
they will break up  
3 or 4" probably

Have woods,

There are about 80 varieties  
of "stove-wood" - get them if  
possible.

The larger pieces of wood  
can be sawed into pieces  
& so passed around.

Mr. Still was in charge.

Brazil

woods -

Herbarium material

Med. plants

Seeds & fruits

Brazil nuts - with shell

Rubber - fruit

Fibers - & fiber of palm

Dye woods & barks -

Resins, & Gums -

There is a herb exhibited

by J. Dutra

Sao Leopoldo

Brazil.

West Pascagoula Crooked

works -  
Benton, Miss.

Have blocks of wood -  
either wood & some blocks  
of crooked wood -

- o -

Devolecians Chavez

Managua,

Exhibited plants at 80 Lari

Minister of Fomento

Guatemala City

For exp. of plants.

Washington Lumberman

Clark-Nicherson Lumber Co.,  
Washington Fir slabs etc.  
Everett, Wash.

Write:

Washington

Grenada

Nicaragua

Klobana

Cejka

Guatemala?

Peru?

Mjps.

Argentina

Brea Gum <sup>use for hats, etc.</sup>  
<sup>varnish,</sup>

(*Caesalpinia procera*?)

Algarrobo Blanco - fr

Pavement -

Quebracho colorado (Schinus Molle)

Guatemala

Fibers -

seeds

Med. Plants -  
woods

Com. Carlos F. Trigoyen  
Specie Com.

Argentine

Com. Nelson.

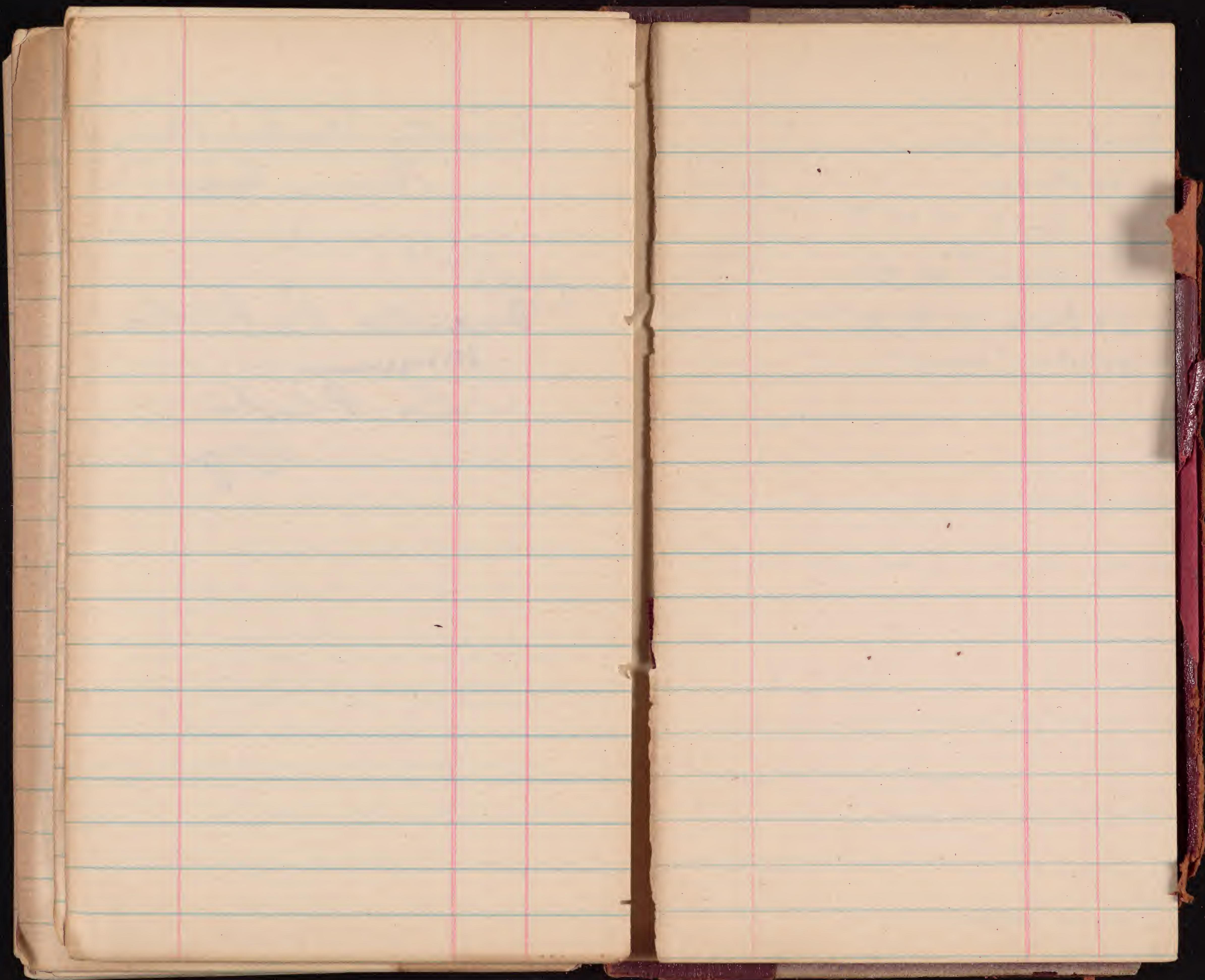
Com. E.M. Nelson.

Dirección Nacional  
Buenos Aires

~~Provincial~~

Dirección La Plata  
Museo

La Plata  
Arg.



St. Louis

	Nov. 22-	1904
No. 21 RR. fare	\$7.00	
" 22 Room	3 <sup>00</sup>	
Meals 20, 65, 40	1.25	
" 23 Meals <sup>.25</sup> 40, 40	1.05	16.
" 24 Meals, 30, 45, 30 <sup>+.15</sup>	1.05	7
" 25 Room <sup>.00</sup> Meals <sup>.30</sup> ,		52

Car fare 11 11 11



